Aug 4 11:51:03	2004
-	:51:0
Au	-
Wed	

٩,

us-09-941-042c-1.rni

.

.

51.4 11.3 665 2 US-08-883-795A-36 Sequence 51.4 11.3 665 2 US-08-883-795A-36 Sequence 51.4 11.3 3669 4 US-07-872-678A-36 Sequence 51.4 11.2 6669 4 US-10-204-708-6 Sequence 51 11.2 724 3 US-08-998-416-683 Sequence	32       50.8       11.1       665       2       US-U8-883-795A-36       Sequence 20, APP1         33       50.8       11.1       10467       4       US-10-204-708-2       Sequence 2, Appli         34       50.4       11.1       10467       4       US-10-204-708-2       Sequence 2, Appli         34       50.4       11.1       10467       4       US-09-790-988-1       Sequence 1, Appli         c       35       49.8       10.9       6.43       4       US-09-056-075-1       Sequence 1, Appli         c       36       49.6       10.9       1233       4       US-10-204-708-46       Sequence 2, Appli         c       36       49.4       10.9       11.31       4       US-10-204-708-27       Sequence 2, Appli         c       36       49.4       10.8       11.31       4       US-10-204-708-27       Sequence 2, Appli         c       37       49.4       10.8       11.31       4       US-10-204-708-27       Sequence 2, Appli         c       36       49.4       10.8       11.31       4       US-10-204-708-27       Sequence 2, Appli         c       37       49.4       10.8       11.31       4       US-10-2	49.2 10.8 5108 4 US-09-306-446C-6 Sequence 48.6 10.7 5852 1 US-07-867-106-2 Sequence 48.6 10.7 8923 4 US-10-204-708-32 Sequence 48.6 10.7 8920 2 US-08-446-855A-1 Sequence 48.6 10.7 8920 3 US-09-150-741-1 Sequence	48.4 10.6 19124 2 US-08-487-226B-13 Sequence 48.4 10.6 20674 4 US-09-641-638-651 Sequence 48 10.5 19233 4 US-10-204-708-45 Sequence		ALIGNMENTS	RESULT 1 US-08-508-786-5	<pre>Sequence 5, Application US/06508786 Patent No. 5837876 Senert No. 5837876 Senert Invovarion: Sapplicant: Conkling, Mark A.</pre>	APPLICANT: Mendu, Nandini APPLICANT: Mendu, Nandini APPLICANT: Song, Wen TTILE OF INVENTION: Root Cortex Specific Gene Promoter NUMBER OF SEQUENCES: 9 CORRESPONDENCE ADDRESS: 9 ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park & ADDRESSEE: Gibbon ADDRESSEE: Gibbon	SIRVEL: FORU CLUE DIAWEL CITY: Charlotte STATE: No. 5837876th Caroli COUNTRY: USA	86523	CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/508,78 FILING DATE:	CLASSIFICATION: 800 ATTORNEY/AGENT INFORMATI NAME: Sibley, Kenneth		TELEBHONE: 919-420-2200	STICS: e pairs	TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear MALETHIF TYPE: DNA (Annomic)		7.8e-86; 28e-86; 28 0; Indele		
GenCore version 5.1.6 Copyright (c) 1993 - 2004 Compugen Ltd.	OM nucleic - nucleic search, using sw model Run on: August 3, 2004, 18:46:09 ; Search time 66 Seconds 3834.206 Million cell updates/sec	Title: US-09-941-042C-1 Perfect score: 456 Sequence: 1 ggaaacatattcaatacattggtaaaagcagttacagag 456	Scoring table: IDENTITY_NUC Gapop 10.0 , Gapext 1.0	Searched: 682709 segs, 277475446 residues	Total number of hits satisfying chosen parameters: 1365418	Minimum DB seq length: 0 Maximum DB seq length: 200000000	Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries	<pre>Database : Issued Patents NA:* 1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:* 2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:* 3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:* 4: /cgn2_6/ptodata/2/ina/6M_Seq:* 5: /cgn2_6/ptodata/2/ina/backfIles1.seq:* 6: /cgn2_6/ptodata/2/ina/backfIles1.seq:*</pre>	pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.	summaries * Result Query No. Score Match Length DB ID Description	456 100.0 1030 2 US-08-508-786-5 Sequence 456 100.0 1030 5 PCT-US96-12158-5 Sequence 456 100.0 1294 2 US-08-508-786-4 Sequence	456 100.0 1294 5 PCT-US96-12158-4 Sequence 456 100.0 1372 2 US-08-508-508-708-3 Sequence 466 100.0 1372 5 PCT-TIS66-12158-3 Sequence	456 100.0 1988 2 US-08-508-786-2 Sequence 456 100.0 1988 5 PCT-US96-12158-2 Sequence	456 100.0 2010 2 US-08-508-786-1 Sequence 456 100.0 2010 5 PCT-U396-12158-1 Sequence 148 32.5 722 2 US-08-508-786-6 Sequence	148 32.5 722 5 PCT-US96-12158-6 Sequence 60.6 13.3 837 3 US-08-998-416-288 Sequence 59.4 13.0 20674 4 US-09-641-638-651 Sequence	15 57 12.5 53332 4 US-09-801-861-3 Sequence 3, Appli c 16 56.2 12.3 5152 4 US-10-204-708-73 Sequence 73, Appl 17 55.6 12.2 536 3 US-09-998-416-1137 Sequence 1137, Ap	54.2 11.9 6040 4 US-10-204 700-70 55.6 11.8 14078 4 US-08-956-171E-191 Sequence 52.8 11.6 615 3 US-08-998-416-186 Sequence	52.8 11.6 1850 3 US-08-617-860B-32 Sequence 52.8 11.6 4098 2 US-08-605-106-4 Sequence 52.6 11.5 319 1 US-07-593-657-14 Sequence	52.6 11.5 1241 1 US-07-593-657-6 Sequence 52.6 11.5 1241 3 US-08-942-012B-3 Sequence 51.6 11.3 6317 4 US-10-204-708-12 Sequence	51.6 11.3 640681 4 US-09-790-988-1 Sequence 1,

υ`

us-09-941-042c-1.rni

¢

V Wed Aug 4 11:51:03 2004

•

us-09-941-042c-1.rni

Page 3

OMMUNICATION INFORMATION: EFHONE: 919-420-2200 EFAX: 919-881-3175 TION FOR SEQ ID NO: 4: TION FOR SEQ ID NO: 4: GTH: 1294 base pairs GTH: 1294 base pairs E: nucleic acid E: nucleic acid CANEDNES: single OLOGY: linear OLOGY: linear 0LOGY: linear 2158-4	Query Match       100.0%; Score 456; DB 5; Length 1294;         Best Local Similarity       100.0%; Pred. No. 7.9e-86; Indels 0; Gaps 0;         Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;       0         QY       1 GGAAACATATTCAATACATTGTAGTTGTGCTACTAATGGCTAGAATACTTTGTGGCTT 60         QY       1 GGAAACATATTCAATACATTGTAGTTTGCTACTCATAATGGCTAGAATACTTTGTGGCTT 50         QY       1 GGAAACATATTCAATACATTGTAGTTTGCTACTCATAATGGCTAGAATACTTTGTGGCTT 50         Db       265 GGAAACATATTCAATACATTGTAGTTTGCTACTCATAATGGCTAGAATACTTTGTGGCTT 324         OY       61 GCTAATAAGAATACTTGAATAGGTTAGATTAAATATAAATAGATTTTGGGA 120         Db       325 GCTAATAAGAATAGCTTGGTTTAAATATAAATAGCATAATAGATTTTAGGA 384         Db       325 GCTAATAAGAATAGCTTGGTTTAAATATGATTTAAATATAAATAGGATAATAGGATTTTAGGA 384         Dy       121 ATTAGTATTTGAGTTTAATAATAGATTTAAATATAAATAGGATAATA	Db       385       ÄTTAGFIATTTGAGTTTAATGCTTTATAGTTTTGACTTGTAACAGTTTTTAAATTTTCCAAGGGCCC       444         OY       181       ATGAAAAATTTAATGCTTTATGTTTTAACTTACTTATAAATTTTTCCAAGGGCCC       444         OY       181       ATGAAAAATTTAATGCTTTATGTTTTAACTTACTATATAAATTTTTCCAATGTAAAA       240         Db       445       ATGAAAAATTTAATGCTTTATGTTTTAAACTTACTATATAAATTTTTCCAATGTAAAA       204         OY       241       TTTAATGGTTAGTTTTTTTTTCAATTTATTAAAATTTTTCCATATGTAAAA       504         OY       241       TTTAATCGGTATAGTTCGATATTTTTTCAATTTTTTTTTAAAAAAAA	565 361 625	Qy       421 CCTAGTTGTTGTTGTTGTTATAAGGGGGTTACAGGG 456         Db       685 CCTAGTTGTGTTATAGGTAAAAGGGGGTTACAGGG 456         Db       685 CCTAGTTGTGTGTTATAGGTAAAAGGGGGTTACAGGG 720         BC       000000000000000000000000000000000000	CONDENCE ADDRESS CONDENCE ADDRESS SSEE: Kenneth SSSEE: Gibson TT Post Office : Charlotte E: No. 58378764 28234 28334 28345 28344 28345 28344 28345 28355 28355 28355 28355 283555 283555 283555 2835555 2835555555555
Gaps GCCTT	Db       265       GGAAAGATATTCAATACATTGTACTACTACTCATAATCGTACTTCTCCCTT       324         Oy       61       GCTAATAAGATACTTGAATAGCTTAGTTTAAATATAAATACATAATAGGATTATGGCTTT       326         Db       325       GCTAATAAGATACTTGAATAGCTTAGTTTAAATATAAATAGGATAATAGGATTATAGGA       384         Oy       11	Qy       241       TTTAATCGGTATAGTTCGATATTTTTCCATTTTTTAAAATAAAAAATAAAAAACTTACCCT       300         Db       505       TTTAATCGGTATAGTTCGATATTTTTCCATTTATTTTTTAAAATAAAAAACTTACCCT       300         Db       505       TTTAATCGGTATGGTTCGATATTTTTCCATTTATTTTTTATAAATAA	421 CCTAGTTGTTGTTATAGGTAAAAAGCAGTTACAGAG 456 411	96-12158-4 BERAL INPORVADE PPLICANT: PPLICANT: PPLICANT: 17LB CANTIN 17LB CANTIN 17LB CANTIN 17LB CANTIN 17LB CANTIN CANESPONDEN ADDRESSEE: ADDRESSEE: CITY: CAN	CUUNTER READABLE FORM: ZIF: 28234 MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS OPERATING SYSTEM: PC-DOS/MS-DOS OPERATING SYSTEM: PC-DOS/MS-DOS OPERATING SYSTEM: PC-DOS/MS-DOS OPERATING NUMBER: PCT/US96/12158 FILING DATE: ATTORNEY/AGENT INFORMATION: NAME: SIDLEY, KENNECH D. REFERENCE/DOCKET NUMBER: 5051-294

2004
11:51:03
9 4
Wed Aug

READABLE FOR READABLE FOR NYPE: FLOPE NG SYSTEM: AG SYSTEM: 3: Patentli 3: Patentli 3: Patentli CATTON NUMBER: AATE: AAT	13/2 Dage parts Lietc acid ESS: single Linear PE: DNA (genomic) PE: DNA (genomic) ilarity 100.0%; Score 456; DB 5; Length 1372; ilarity 100.0%; Pred. No. 8e-86;	456; Conservative 0; Mismatch 1 GGAAACATATTCAATACATTGTAGTTTGCTA 13 GGAAACATATTCAATACATTGTAGTTTGCTA 343 GGAAACATATTCAATACATTGTAGTTTGCTA 61 GCTAATAAGATACTTGAAATAGCTTAGTTT 403 GCTAATAAAGATACTTGAAATAGCTTAGGTTT	121 ATTAGTATTTGGGTTTAATTACTTATTGGCTTGTAACGGTTTTTATAATTCCAAGGCCC 163 ATTAGTATTTTGGGTTTAATTACTTATTGACTTGTAACGGTTTTTTATAATTCCAAGGCCC 181 ATGAAAATTTAATGGTTTAATTAGTTTTAAACTTACTATATAAATTTTTCATATGGCCC 181 ATGAAAATTTAATGGTTTAATTAGTTTTAAACTTACTATATAAATTTTTCATATGTAAAA 233 ATGAAAAATTTAATGGTTTATTAGTTTTAAACTTACTATATAAATTTTTCATATGTAAAA 241 TTTAATGGGTATAGTTCGATATTAGTTTTTTTTTTTTTT	Qy       301       AATTATTGGTACAGTTATACATTTATAAAAATCTACGGATCAAAAAACTAAA 360         Db       [	QY421 CCTAGTTGTTGTTATAGGTAAAAGGGGTTACAGGG 456Db763 CCTAGTTGTTGTTATAGGTAAAAGCAGTTACAGAG 798Bb763 CCTAGTTGTTGTTATAGGTAAAAGCAGTTACAGAG 798RESULT 7111111111111111111111111111111111
<pre>APPLICATION NUMBER: US/08/508,786 TILING DATE: CLASSIFICATION: 800 ATTORNEY/AGENT INPORMATION: BATTORNEY/AGENT INPORMATION: NAWE: Sibley, Kenneth D: REGISTRATION NUMBER: 5051-294 TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELEPONE: 919-481-3175 INFORMATION FOR SEQ ID NO: 3: SEQUENCE CHARACTICS: INFORMATION FOR SEQ ID NO: 3: SEQUENCE CHARACTICS: INFORMATION FOR SEQ ID NO: 3: SEQUENCE CHARACTICS: TELEPONE: 919-481-3175 INFORMATION FOR SEQ ID NO: 3: SEQUENCE CHARACTICS: TELEPONE: 1372 base pairs TYPE: nucleic acid TYPE: nucleic acid TYPE: nucleic acid TYPE: DNA (genomic) US-08-786-3</pre>	<pre>Query Match 100.0%; Score 456; DB 2; Length 1372; Best Local Similarity 100.0%; Pred. No. 8e-86; Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 1 GGAAACATATTCAATACATTGTAGTTTGCTACTAATCGTGAATACTTTGTGCCTT 343 GGAAACATATTCAATACATTGTAGTTTGCTACTAATCGCTAGAATACTTTGTGCCTT 343 GGAAACATATTCAATACATTGTAGTTTGCTACTAATCGCTAGAATACTTTGTGCCTT</pre>	QY       6.1       GCTAATAAGGATACTTGAAATAGCTTAGTTTAAATAATAGGATAATAGGATTTTAGGA       120         Db       403       GCTAATAAAGATACTTGAAATAGCTTAGTTTAAATATAAATAGCATAATAGGATTTTAGGA       161         Db       403       GCTAATAAAGATACTTGAAATAGCTTAGTTTAAATAGCATAATAGGATTTTAGGA       162         QY       121       ATTAGGATTTAATTGCTTAGTTTAAATAGGATTAATAGGGGCC       180         Db       463       ATTAGGATTAATTACTTATTGGCTTGAACGAGTTTTTAAATTCCAAGGGCC       180         Db       463       ATTAGGATTAATTGCTTATTGGTTTAATGGGATTTAAATTCCAAGGGCCC       223         QY       181       ATGGAAAAATTTAGTTATTAGTTATTGGAGTTGATAAAGGGCCC       230         Db       463       ATTAGTATTTGGTTTAATTGGTTTTAATGGGTTAAATAGCGCC       240         QY       181       ATGGAAAAAGGGCTTAATTAGGTTTTAAAGCTTAGTAAGAGTTTTTAAATTCCAAGGGCCC       232         QY       181       ATGGAAAAAAGGGTTTAATTGGTTTTAAAACTAGCAGTGTCAAGGGCCC       240	523 ATGAAAATTTAATGCTTTATGTTTTAACTTACTATATAATTTTCATATGTATATAAA 241 TTTAATCGGTATAGTTCGATATTTTTTCAATTTATTTTTTATAAAAAAAA	Db 703 AATCGGTTGGGGGGGGGGGGGGTGGGTTTAGTCGATTTTCAAATATTCATTGACACT 762 Qy 421 CCTAGTTGTTATTAGGTAAAAAGCAGTTACAGAG 456 Db 763 CCTAGTTGTTGTTATAGGTAAAAAGCAGTTACAGAG 798 RESULT 6	<pre>PCT-US96-12158-3 PCT-US96-12158-3 Sequence 3, Application PC/TUS9612158 GENERAL INFORMATION: APPLICANT: Conkling, Mark A. APPLICANT: Conkling, Mark A. APPLICANT: Song, Wen TTTLE OF INVENTION: Root Cortex Specific Gene Promoter TTTLE OF INVENTION: Belly, Bell, Seltzer, Park &amp; ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park &amp; ADDRESSEE: Gibson STRET: Post Office Drawer 34009 CITY: Charlotte STATE: North Carolina COUNTRY: USA 21P: 28234</pre>

6

Ved Aug 4 11:51:03 2004

Ņ

us-09-941-042c-1.rni

,

Page 5

	nucleic acid DNESs: single Y: linear TYPE: DNA (genomic) -2	Query Match100.0%;Score 456;DB 5;Length 1988;Best Local Similarity100.0%;Pred. No. 8.2e-86;Matches 456;Conservative0;Mismatches0;Qy1GGAAACATATTCAATACATGATAGTAGTACTACATAATCGCTAGAATACTTTGTGCCTT60	Db       959       GGAAACATACTACATACATACATACTTGCTACTAATGGATAACTTTGGGCCTT       1018         OY       61       GCTAATAAAGGATACTTGGAATAGGCTTAGGTTAAATAAA	Qy     121     ATTAGTATTTTGGGTTTAATTACTTATTGTACTTGTAACAGTTTTTATAATTCCAAGGCCC     180       Db     1079     ATTAGTATTTTGGGTTTAATTACTTATTGGCTTGTAACAGTTTTTATAATTCCAAGGCCC     1180       Db     1079     ATTAGTATTTTGGGTTTAATTACTTATTGGCTTGTAACAGTTTTTATAATTCCAAGGCCC     1138       Qy     181     ATGAAAAATTTAATGCTTTATTAGTTTTTAAAACTTAGTTTTCCAAGGCCC     1138	1139 AFGAAAATTTAAFGCTTTATTAGFTTTAAACTTACTATAAATTTTTCATATGTTAAAA 241 FTTAATCGGTATAGTTTGATATTTTTTCATATAAATTTTTCATATGTAAAA 241 FTTAATCGGTATAGTTCGATATTTTTTCAATTTATTTTTAAAATAAAAAAACTTACCCT		QY       361       AATCGGTTCGGTGCGGACGGTTCGATCGATTAGTCGATTTCAAATATTCATTGACACT       420         Db	Qy 421 CCTAGTTGTTGTTGGTAAAAAGCAGTTACAGAG 456 
ey; Bell, Seltzer, P 34009 ina is=DOS 508,786 508,786 51-294 1:	Query Match     100.0%; Score 456; DB 2; Length 1988;       Best Local Similarity     100.0%; Pred. No. 8.2e-86;       Matches     456; Conservative     0; Mismatches       Oy     1     1011111111111111111111111111111111111	Db       959       GGAAACATATTCAATACATTGTAGTTTGTGTTTTGTGCTTT       1018         Oy       61       GCTAATAAAGATAGTTGGTTAGTTAAATAATGGCTAGAATACTTTGTGCCTT       1018         Oy       61       GCTAATAAAGATAGTTGGTTAGTTAAATAAATAAGGATAATGGATTTTGTGCCTT       1018         Db       1019       GCTAATAAGGATAGCTTGGTTTAAATAAATAAATAAGGATAATAGGATTTTAGGA       120         Db       1019       GCTAATAAGGATAGCTTAGGTTAAATAAATAAATAAATAGGATAATAAGATTTTAGGA       1078	0y       121       ATTAGTATTTGGGTTAATTACTTATTGCTTGTAGCGTTTTTATATTCCAGGCCC       180         10       1079       ATTAGTATTTGGGTTTAATTACTTATTGCTTGTTGCTGTGGTTTTTATATTCCCAGGCCC       1181         11	1139 241 1199	<pre>301 AATTATCGGFTACAGTTATAGATTTATATAAAAATCTACGGTTCTTCAGAAGGAAG</pre>	Qy     361     AATCGGTTCGGTGCGGACGGTTCGATCGATTTTCAAATATTCATTGACACT     420       Db     11		RESULT B PCT-US96-12158-2 ; Sequence 2, Application PC/TUS9612158 ; GENERAL INFORMATION:

2004
11:51:03
94
Wed Aug

Qy361AATCGGTTCGGTCGGACGGTTCGATCGATTTTCAAATATTCATTGACACT420Db	ication PC/TUG TION: TION: TION: TION: Mark (endu, Nandini NTJON: Mark NTJON: Mark NTJON: Mark NTJON: Mark Gibbon D. Si Gibbon D. Si Gibbon D. Si Gibbon D. Si Gibbon D. Si Gibbon D. Si ABLE FORM: T Carolina ABLE FORM: ABLE FORM: ABLE FORM: ABLE FORM: T Carolina ABLE T CAROLINA T CAROLINA ABLE T	MUNICATION AND AND AND AND AND AND AND AND AND AN	PCT-US96-12158-1 Query Match Best Local Similarity 100.0%; Score 456; DB 5; Length 2010; Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Ov 1 GGAAACATATTCAATACATACAATACHATTCATAATACTCATAATAATACATAATACATAATACATAATA	959 GGAAACATATTCAATACATTGTAGTTTGCTACTAATCGCTAGAATACTTTGTGCCTT 959 GGAAACATATTCAATACATTGTTGCTTGGTTAATCGCTAGAATACTTTGTGCCCTT 61 GCTAATAAGGATACTTGAAATAGCTTAGTTTAAATAAGCATAATAGCATAATAGGA 1019 GCTAATAAAGATACTTGAAATAGCTTAGCTTAAATAAATA	
RESULT 9 US-08-508-786-1 5 Sequence 1, Application US/08508786 5 Patent No. 5837876 5 GENERAL INFORMATION: 5 APPLICANT: CONHING, Mark A.	APPLICANT: Sondy, Mandalla APPLICANT: Sondy, Mandalla RUMBER OF SEQURENCES: CORRESPONDENCE ADDRESS: ADDRESSEE: Kenneth D. Sibley: Bell, Seltzer, Park & CORRESPONDENCE ADDRESS: ADDRESSEE: Gibbon STREF: Post Office Drawer 34009 CITY: Charlotte COUNTY: UBA CONTEN: No. 593796th Carolina CITY: Charlotte CONTEN: No. 593796th Carolina CITY: Jag 2034 CONTEN: No. 593796th Carolina CITY: Jag 2034 CONTEN: No. 593796th Carolina CITY: Jag 2034 CONTEN: No. 59376th Carolina CITY: Jag 2034 CONTEN: No. 59376th Carolina CONTEN: No. 2037 CONTEN: No. 50376th Carolina CITY: Jag 2034 CONTEN: The Post Office Drawer 34009 CITY: Jag 2034 CONTEN: The Post Office Drawer 31,665 FILLING DATE: NAME: Sibley, Kenneth D. ATTORNEY/AGENT INFORMATION: NAME: Sibley, Kenneth D. ATTORNEY/AGENT INFORMATION: NAME: Sibley, Kenneth D. ATTORNEY/AGENT INFORMATION: NAME: Sibley, Kenneth D. ATTORNEY/AGENT INFORMATION: NAME: Sibley, Kenneth D. ATTORNEY/AGENT INFORMATION: REGISTANTON REPEARATION: TELEPHONE: 319-420-2200 TELEPHONE: 319-420-2200 TEL	rity 100.0%; Score 456; DB 2; Length 2010; rity 100.0%; Pred. No. 8.2e-86; Indels 0; Gaps nservative 0; Mismatches 0; Indels 0; Gaps	95 6 101		Db       1139       ATGAAAATTTATGGTTATTAGTTTAGTTTAGTTTATAAATTTTCATGTAGAAAA       1198         QY       241       TTTAATGGGTATAGTTGGATATTTTTTTTATTTTTTTAAAAAA

4

	STREET: Post Outco Urager 4000 STREET: Post Outco Urager 4000 STREET: North Carolina CONTRY: North Carolina CONTRY: Reput Oper Outco Urage 110, Version #1.30 CONTRY: APLICATION UNTRY CONTRY APLICATION UNDER: DC/US96/12158 CONTRY: APLICATION UNDER: 051-294 FILICATION UNDER: 051-294	APPLICANT: Rechtle, Philipp APPLICANT: Rebischung, Corinne
Db1199TTTAATGGTATAGTTGATATTTTTCAATTTATAAAATAAAAAAAA	ULT 11 08-565-786- equence 6, 1 applicant APPLICANT APPL	QY 429 TTGTTAAAGCAAATACAGG 456                                     DD 121 TTGTTATAGGTAAAAAGCAGTTACAGAG 148

۰.

Page 7

•

Wed Aug 4 11:51:03 2004

. درج

•,

us-09-941-042c-1.rni

; GENERAL INFORMATION: ; APPLICANT: Blumenfeld, Marta ; APPLICANT: Bougueleret, Lydie ; APPLICANT: Chumakov, Ilya	<pre>APPLICANT: Cohen, Annick TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING TITLE OF INVENTION: GENES INVOLVED IN ARACHIDONIC ACID METABOLISM TILE REFERENCE: GENEST USICP1 ; FILE REFERENCE: GENEST USIO9/641.638 ; CURRENT APPLICATION NUMBER: US/09/641.638</pre>	CURRENT FILING DATE: 2000-08-16 PRIOR APPLICATION NUMBER: US 09/502,330 PPION PUTING DATE: 2000-02-11	<pre>PRIOR FILING DATE: US 60/133,200 PRIOR FILING DATE: 1999-05-07 PRIOR APPLICATION NUMBER: US 09/275,267 PRIOR FILING DATE: 1999-03-23</pre>	<pre>     PRIOR APPLICATION NUMBER: US 60/119,917     PRIOR FILING DATE: 1999-02-12     NUMBER 0F SEQ ID NOS: 1304     SOFTWADER DEFEAT THE     SOFTWADER DEFEAT     SOFTWATER DEFEAT</pre>	SEQ ID NO 651 LENGTH: 20674 TYPE: DNA	REATURE HOMO Sapiens FEATURE NAME/KEY: misc feature LOCATION 1123 13123	; OTHER INFORMATION: 5' regulatory region ; NAME/KEY: exon ; LOCATION: 31243297 ; OTHER INFORMATION: exon 1		NAME/KEY: eXON COTTION: 55225633 OTHER INFORMATION: eXON 3 NAME/KEY: eXON 3	<ul> <li>UTHEN LINCURMATION: EXCIT 5</li> <li>NAME/KEY: EXCIT 5</li> <li>LOCATION: 63496509</li> <li>OTHER INFORMATION: EXCIT 6</li> </ul>	<pre>NAME/KEY: exon I_LOCATION: 73797522 OTHER INFORMATION: exon 7 NAME/KEY: exon I_LOCATTON: BASA NAME/KEY: exon</pre>	OTHER INFORMATION: EXCH 8 NAME/KEY: EXCH SUCATION: 12254.12340	exon 13308. DRMATIO exon	NAME/KEY: exon 13 NAME/KEY: exon LOCATION: 1706317554 NAME/VEY: exon 14
<pre>TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPII TITLE OF INVENTION: AND USES THEREOF NUMMER OF SEQUENCES: 1152 CORRESPONDENCE ADDRESS: ADDRESSENCE ADDRESS:</pre>	054 Cornwallis Road earch Triangle Park . 6239264th Carolir USA	COMPUTER READBLE FORM: COMPUTER READBLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible	; OPERATING SYSTEM: PC-DOS/MS-DOS ; SOFTWARB: Patentin Release #1.0, Version #1.30 ; CURRENT APPLICATION DATA: 15 ; APPLICATION NUMBER: 115/04/948 115	C-1997	<pre>i APPLICATION NUMBER: CH 0016/97 i FILING DATE: 31-DEC-1996 i ATTORNEY/AGENT INFORMATION: i NAME: Meigen, i Timmation;</pre>	TION NUME B/DOCKET ICATION 1 3: 919-5		i TYPE: nucleic acid i TYPE: nucleic acid i STRANDEDNESS: single i TOPOLOGY: linear	щщ	CATATTCAATACATTGTAGTTTGCTACTCATAATCGCTAGAATACTTTGTGCCTTGCT DATATTCAATACATTGTAGTTAGTTAGCTACTCATAATCGCTAGAATACTTTGTGCCCTTGCT DATAGTTAGTAATAATAATAATAATAATCGCTAGAATAACTTTGTGCCTTGCT	64 294			

ø

• •

<sup>7</sup> Wed Aug 4 11:51:03 2004

")

## us-09-941-042c-1.rni

: polymorphic base C or T	: polymorphic base A or G	: polymorphic base A or G	: polymorphic base A or T	: polymorphic base A or G	••	A OF	••	: deletion of CTG	: polymorphic base G or T	: polymorphic base C or T	: polymorphic base C or T	: polymorphic base C or T	: polymorphic base A or G	polymorphic base A	10	Score 59.4; DB 4; Length 20674; Pred. No. 0.00054; 0; Mismatches 156; Indels 0; Gaps 0;	51 TTTGTGCCTTGCTAATAAGATACTTGAAATAGCTTAGTTTAAATATAATAGCATAATA 110 1111 CTT1GTGCTAATAAGATACTTGAAATAGCTTAGTTTAAATATAATAATAGCATAATA 110		GATTTTAGGAATTAGTTTTAGGTTTAATTACTTATTGACTTGGACAGGTTTTTATAAT 170 	TCCAAGGCCCATGAAAAATTTAATGCTTTAGTTTTAAACTTACTATATAAATTTTTC 230		
0	0	0	DCGATTON: 6534 OTHER INFORMATION: 10-347-271 NAME/KEY: allele	<pre>procention: 6611 proceeding: proceedi</pre>	RMATION: allele 8608	DITAL INFORMATION: 10-345-4/ NAME/KEY: allele : LOCATION: 8658 : OTHER INFORMATION: 10-349-97	10-349-	<pre>NAME/KEY: allele     LOCATION: 8777     COTHER INFORMATION: 10-349-216</pre>	NAME/KEY: allele LOCATION: 8785 OTHER INFORMATION: 10-349-224	<pre>NAME/KEY: allele LOCATION: 8926 COTHER INFORMATION: 10-349-368</pre>	<ul> <li>NAME/KEY: allele</li> <li>LOCATION: 12.71</li> <li>OTHER INFORMATION: 10-350-72</li> <li>NAME/KEY: allele</li> </ul>	ION: KEY:	; LOCATION: 13341 ; CTHER INFORMATION: 10-507-170 ; NAME/KEY: allele	: 10-507-3	; OTHER INFORMATION: IU-5U/-353 ; NAME/KEY: allele ; LOCATION: 13535	Query Match 13.0%; Best Local Similarity 49.5%; Matches 153: Conservative (	QY 51 TTTGFGCCTFGCTAATAAA	11064	Db 11124 TTAAAATTAAAATTTAAT Db 11124 TTAAAATTTAAAATTTAAT	QY 171 TCCAAGGCCCATGAAAAAT      	231	Db 11244 AATTTTAATATTTAATTTAA
: polymorphic base C or T	: polymorphic base C or T		: deletion of C	: variable motif ATTTA or TTTTTT	: polymorphic base C or T	: insertion of T	: polymorphic base G or C	: polymorphic base A or G	: polymorphic base A or G	: polymorphic base C or T	: polymorphic base A or G	A Or G	: deletion of C	: polymorphic base C or T	: polymorphic base C or T	: polymorphic base G or T	: polymorphic base A or G	: polymorphic base A or G	: polymorphic base G or C	: polymorphic base C or T	: polymorphic base A or G	: polymorphic base G or C
10-508-191	10-508-245		10-509-295		10-511-62	10-511-337	10-512-36	10-512-318	10-513-250	10-513-262	10-513-352	12-206-81	10-343-231	12-206-366	10-343-278	10-343-339	10-346-23	10-346-141	10-346-263	10-346-305	10-347-74	10-347-111
 Z					NAME/ABI: GILELE LOCATION: 2048 OTHER INFORMATION: NAME/KEY: allele				OTHER INFORMATION: NAME/KEY: allele	OTHER INFORMATION: NAME/KEY: allele LOCATION: 2934	INFORMATION: CEY: allele ION: 2947	OLHER INFORMATION: NAME/KEY: allele LOCATION: 3802 OTHER INFORMATION:	NAME/KEY: allele LOCATION: 4062 OTHER INFORMATION:	NAME/KEY: allele LOCATION: 4088 OTHER INFORMATION: 1 NAME/KEY: allele	LOCATION: 4109 OTHER INFORMATION: NAME/KEY: allele	LOCATION: 4170 OTHER INFORMATION: NAME/KEY: allele	OCTHER INFORMATION: OTHER INFORMATION: NAME/KEY: allele	LOCATION: 5019 OTHER INFORMATION: NAME/KEY: allele	LOCATION: 6141 OTHER INFORMATION: NAME/KEY: allele		LOCATION: 6338 OTHER INFORMATION: NAME/KEY: allele	LOCATION: 6375 OTHER INFORMATION:

ö 66 TAAAGATACTTGAAATAGCTTAGTTTAAATATAATAGCATAATAGATTTTAGGAATTAG 125 126 TATTTTGAGTTTAATTACTTATTGTAACAGTTTTTTATAATTCCAAGGCCCATGAA 185 186 AAATTTAATGCTTTAATTAAACTTACTTACTATATAAATTTTTCATATGTAAAATTTAA 245 291 AACTTACCCTAATTATCGGTACAGTTATAGATTTATATAAAAATCTACGGTTCTTCAGAA 350 Gaps ö 306 TCGGTACAGTTATAGATTTATATAAAAATCTACGGTTCTTCAGAAGAAA 354 Query Match 12.5%; Score 57; DB 4; Length 53332; Best Local Similarity 49.8%; Pred. No. 0.0018; Matches 144; Conservative 0; Mismatches 145; Indels 11364 TTÅÅTTÅÅ 11372 351 GAAACCTAA 359 ; TYPE: DNA ; ORGANISM: Human US-09-801-861-3 RESULT 15 US-09-801-861-3 q q 5 ą δ q <u>8</u> 8 රි යි 8 ą 5 à

Search completed: August 3, 2004, 19:58:48 Job time : 68 secs

Wed Aug 4 11:51:04 2004	
Aug 4 11:51:04 200	4
Aug 4 11:51:04	0
Aug 4 11:51:04	0
Aug 4 11:51:	3
Aug 4 11:51:	4
Aug 4 11:51	
Aug 4 11:5	
Aug 4 11:	-
Aug 4 11	ŝ
Aug 4	••
Aug 4	1
Aug	1
	4
	p
Wed	Au
	Wed

1-3

us-09-941-042c-1.rnpb

ч		
Page		

ore version 5.1.6 .993 - 2004 Compugen Ltd.	ig sw model 19:52:20 ; Search time 339 Seconds (without alignments) 6595.374 Million cell updates/sec	.acattggtaaaaagcagttacagag 456	ext 1.0	s1570024 residues	chosen parameters: 6445838		k 10% summaries	<pre>Applications_N1: /pcodata/2/pubpna/US07 PUBCOMB.seq: /pcodata/2/pubpna/US07 PUBCOMB.seq: /pcodata/2/pubpna/US06_NUBS06 /pcodata/2/pubpna/US06_NUBS06 /pcodata/2/pubpna/US06_NUBS.seq: /pcodata/2/pubpna/US08 NIW_PUB.seq: /pcodata/2/pubpna/US09 NIW_PUB.seq: /pcodata/2/pubpna/US09A_PUBCOMB.seq: /pcodata/2/pubpna/US09A_PUBCOMB.seq: /pcodata/2/pubpna/US09A_PUBCOMB.seq: /pcodata/2/pubpna/US09A_PUBCOMB.seq: /pcodata/2/pubpna/US09A_PUBCOMB.seq: /pcodata/2/pubpna/US09A_PUBCOMB.seq: /pcodata/2/pubpna/US09_NIW_PUB.seq: /pcodata/2/pubpna/US09_NIW_PUB.seq: /pcodata/2/pubpna/US100_FUBCOMB.seq: /pcodata/2/pubpna/US100_FUBCOMB.seq: /pcodata/2/pubpna/US100_NIW_PUB.seq: /pcodata/2/pubpna/US100_NIW_Seq: /pcodata/2/pubpna/US10_NIW_PUB.seq: /pcodata/2/pubpna/US10_NIW_PUB.seq: /pcodata/2/pubpna/US10_NIW_PUB.seq: /pcodata/2/pubpna/US10_NIW_PUB.seq: /pcodata/2/pubpna/US10_NIW_PUB.seq: /pcodata/2/pubpna/US10_NIW_PUB.seq: /pcodata/2/pubpna/US10_NIW_PUB.seq: /pcodata/2/pubpna/US10_NIW_PUB.seq: /pcodata/2/pubpna/US10_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pubpna/US50_NIW_PUB.seq: /ptodata/2/pt</pre>	results predicted by chance to have a 1 to the score of the result being printed, of the total score distribution.	SUMMARIES ID Description	US-09-941-042C-1 Sequence 1, Appli US-10-363-069-1 Sequence 1, Appli US-10-240-485-17 Sequence 321, App US-10-240-485-17 Sequence 17, Appl US-10-240-485-1541 Sequence 17, Appl US-10-211-179-11 Sequence 1280, Ap US-10-211-179-11 Sequence 1280, Ap US-10-211-179-11 Sequence 1281, Appl US-10-211-170-11 Sequence 1281, Appl US-10-211-175-1542 Sequence 1543, Appl US-10-311-455-1542 Sequence 1543, Appl US-10-311-455-1542 Sequence 1543, Appl US-10-311-455-1542 Sequence 1543, Appl US-10-311-455-1542 Sequence 1542, Appl US-10-111-455-1542 Sequence 2064, Appl US-10-111-455-1564 Sequence 2064, Appl US-10-111-455-1564 Sequence 2064, Appl US-10-111-455-1564 Sequence 2064, Appl US-10-111-455-1564 Sequence 2064, Appl
version 5.1.6 - 2004 Compugen	model 2:20 ; Search ( (without 6595.374	ggtaaa		residue	parameters:		ummaries	ions NA:* /2/pubpna/US07_PUBCOMB /2/pubpna/US06_NEW_PUB. /2/pubpna/US06_NEW_PUB. /2/pubpna/US06_NEW_PUB. /2/pubpna/US07_NEW_PUB /2/pubpna/US08_NEW_PUBCOM /2/pubpna/US09_PUBCOM /2/pubpna/US09_PUBCOM /2/pubpna/US09_PUBCOM a/2/pubpna/US09_PUBCOM a/2/pubpna/US09_NEW_PUI a/2/pubpna/US09_NEW_PUI a/2/pubpna/US09_NEW_PUI a/2/pubpna/US09_NEW_PUI a/2/pubpna/US09_NEW_PUI a/2/pubpna/US09_NEW_PUI a/2/pubpna/US106_PUBCOM a/2/pubpna/US106_PUBCOM a/2/pubpna/US106_PUBCOM a/2/pubpna/US106_PUBCOM a/2/pubpna/US106_PUBCOM a/2/pubpna/US106_PUBCOM	sults predicted b o the score of th the total score		S-00-941-042C-1 S-10-363-069-1 S-10-361-0485-17 S-10-240-485-12 S-10-240-485-1280 S-10-311-455-1280 S-10-311-455-1280 S-10-112-086-17 S-10-311-455-1549 S-10-311-455-1549 S-10-311-455-1549 S-10-311-455-1549 S-10-311-455-1549 S-10-311-455-1549 S-10-311-455-1549 S-10-311-455-1549 S-10-311-455-1549 S-10-311-455-1549 S-10-311-455-1549 S-10-170-097-651
GenCore t (c) 1993	, using 2004, 19	042C-1 attcaat	NUC 0 , Gapext	seqs, 245157	sfying chos	0 200000000	Match 0% Match 100% first 45 su	Applications 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F 6/ptodata/2/F	of qual sis	DB	456 13 0 456 13 0 5145 15 0 5145 15 0 8305 15 0 8305 15 0 8305 15 0 18997 15 0 19977 15 0 199777 15 0 19977 15 0 199777 15 0 199777 15 0 199777 15 0 199777 1000000000000000000000000000000
Copyright	nucleic search August 3, 7	US-09-941- 456 1 ggaaacata	IDENTITY N Gapop 10.0	3222919 se	hits satis	ength: 0 ength: 200	Minimum M Maximum M Listing f	Published Ap 11: /cgm2_6/p 32: /cgm2_6/p 43: /cgm2_6/p 65: /cgm2_6/p 65: /cgm2_6/p 73: /cgm2_6/p 10: /cgm2_6/p 110: /cgm2_6/p 111: /cgm2_6/p 111: /cgm2_6/p 112: /cgm2_6/p 111: /cgm2_6/p 11: /cgm2_	the n than d by	\$ Query Match Length	100.0 14.6 14.6 14.6 13.4 13.4 13.4 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2
	- 100	BCOTE:	able:		number of 1	DB seq le DB seq le	cessing:		re. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Score	55 6 6 6 6 6 6 6 6 6 6 6 6 6
	OM nucleic Run on:	Title: Perfect E Sequence:	Scoring t	Searched:	Total num	Minimum I Maximum I	Post-proce	Database	Prec sco: and	Result No.	, v v , v , v , v , v , v , v , v , v ,

ö

Gaps

.: 0

Query Match 100.0%; Score 456; DB 13; Length 456; Best Local Similarity 100.0%; Pred. No. 1.2e-69; Matches 456; Conservative 0; Mismatches 0; Indels 0.

7 TYPE: DNA CORGANISM: Nicotiana tabacum US-09-941-042C-1

LENGTH: 456

60 60

q

 $\delta$ 

1 GGAAACATATTCAATACATTGTAGTTTGCTACTCATAATCGCTAGAATACTTTGTGCCTT

> q 8 q

8

	10341	Sequence	-1422 Sequence	-50 Sequence	68 Sequence	Sequence	sequence	US-10-172-086-50 Sequence 50, APP1 ## 10 211-455-2102 Sequence 2102 AD	aonanhas .	Sequence	US-10-311-433-1304 Semience 86. Appl	Sequence	Sequence	-10-311-507-71 Sequence	08 Sequence	120 Sequence I	sednence	-10-224-562-3 Sequence	-10-300-611-4 Sequence	-10-221-613-226 Sequence	-10-221-714A-32 Sequence	-10-311-455-334 sequence	-10-240-485-28 Sequence 20, 7	-10-311-455-598 sequence 339,		-10-111-455-2128 Sequence 2128	-204-708-73 Sequence 73,	-10-240-589C-115 Semience 115.		ALIGNMENTS	ULT 1 09-941-042C-1 equence 1, Application US/09941042C equence 1, Application US/09941042C ENERAL INFORMATION: ENERAL INFORMATION: ENERAL INFORMATION: APPLICANT: L1, Yan APPLICANT: L1, Yan APPLICANT: Conkling, Mark A. APPLICANT: Conkling, Mark A.
:					þ												Þ											) F	-		99410 7A1 
	58001 I		14									8085 1														<b>ι</b> α		1	1		C-1 Application US/09 a No. US20030018997. ORMATTON: Conkling, Mark A. Conkling, Mar
	ы Б	ņα	0 00	5		.7 36																	4		4" -	r <		ה	n		VILLE: NOCIONI NOCION: NOCIONO
;	ġ;	: : :	12.1	12.	12.	12.	12		i.	12	12	12.5	172	12.	12.	12.	12.	12.	2	12	12	2	21		1	12	1.0	• •	7		
	۰°,	78.7 7.87	 	58	58	58	57.6	57.6	57.6	57.6	0.10	0.70	57.2	57.2	57	57	57	57	56.8	56.6	56.6	56.6	56.6	56.6	56.4	#.0C			7.95		RESULT 1 US-09-941-042C-1 US-09-941-042C-1 Sequence 1, Application US/09941042C Publication NO. US20030018997A1 GENERAL INPORMATION: APPLICANT: Conkling, Mark A. APPLICANT: Conkling, Mark A. APPLICANT: Conkling, Mark A. APPLICANT: Conkling, Mark A. APPLICANT: CONKLING, MARK G. TTTLE OF INVENTION: THEREIN FILE REFERENCE: 5051-471W0 FILE REFEREN
	<u>د</u> 12	9 F T F	18	19	20	21	22	23	24	5 22	9 E	280	50	200	31	32	33	34	30 9	36	37	38	6 M	40	41	7 V 7 T	77	# L	4 0		RESULT CRESULT Seque: Public RENDIA APPL APPL APPL APPL APPL APPL APPL AP
		υ										C	0	υ										υ			ζ	וכ	υ		8 8 9 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9

	RESULT 3 US-10-311-455-321 Sequence 321, Application US/10311455 Fublication No. US20030143606A1 GENERAL INFORMATION: APPLICANT: DIERPENBROCK, Christian APPLICANT: BERLIN, Kurt APPLICANT: BERLIN, Kurt TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determu FITLE OF INVENTION: Cytosine methylation FILE REFERENCE: 5013.1014	CURRENT APPLICATION NUMBER: US/10/311,455 CURRENT TILNG DATE: 2002-12-16 PRIOR FILING DATE: 2002-12-16 PRIOR FILING DATE: 2001-07-02 PRIOR FILING DATE: 2001-07-02 PRIOR FILING DATE: 2000-06-30 PRIOR APPLICATION NUMBER: DE 10043826.1 PRIOR FILING DATE: 2000-06-01 PRIOR APPLICATION NUMBER: DE 10043826.1 PRIOR FILING DATE: 2000-06-01 PRIOR PRIOR PRIOR NUMBER: DE 10043826.1 PRIOR PRIOR PRIOR NUMBER: DE 10043826.1 PRIOR PRIOR PRIOR NUMBER: DE 10043826.1 PRIOR PRIOR PRIOR PRIOR NUMBER: DE 10043826.1 PRIOR PRIOR PRIOR NUMBER: DE 1004386.1 PRIOR PRIOR NUMBER: DE 1004386.1 PRIOR PRIOR PRIOR NUMBER: DE 1004386.1 PRIOR PRIOR NUMBER: DE 1004386.1 PRIOR PRIOR PRIOR NUMBER: DE 1004386.1 PRIOR PRIOR NUMBER: DE 1004386.1 PRIOR PRIOR PRIOR NUMBER: DE 1004386.1 PRIOR PRIOR NUMBER: DE 1004386.1 PRIOR PRIOR PRIOR NUMBER: DE 100438	Query Match       14.6%; Score 66.6; DB 15; Length 5145;         Best Local Similarity 51.9%; Pred. No. 0.044;       Matches 176; Conservative 0; Mismatches 159; Indels 4; Gaps 1         Qy       4 AACATATTCAATACATTGCAGTATTGCTACTAGTGCTAGAATACTTTGTGCCTTGCT 63         Db       511 AATATATTTTATAAGGTTTAAGGTTTAATATTTTTTGGGGTGTTTTTT	Qy       64       AATAAAGATACTTGAAATAGCTTAGTTTAAATAGCATAATAGATTTTAGGAATT       123         Db       571       TATGTTATGAGGGGATATATTTTAATTTAATTTAATGTGTTTTTT	OY     124     AGTATTTTGAGTTTAATTACTTATGACTGTTTTATAATTCCAAGGCCCATG     183       DD     631     TTTTTTTTGTTGGTTTAAGGCTTTAGTTAGGAATTTAGGAAGCAGG     686	QY       184       AAAAATTAATGCTTATAGCTTTAAACTTACTATATAATTTTCATATGTAAAATTT       243         V	Qy       244       AATCGGTATAGTTTTTTTTTATTTTTTTATAAAAAAACTTACCCTAAT       303         V0       247       TGTTATTTTTTTTTTTTTTTTTTTTTTTTTATAAATAATTGTTTTAA       303         Db       747       TGTTTATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	QY 304 TATCGGTACAGTTATAGATTTATATAAAAATCTACGGTT 342 	RESULT 4 US-10-240-485-17 Sequence 17, Application US/10240485 Publication No. US20030148327A1 GENERAL INPORMATION: APPLICANT: OLEK, Alexander
0       181       argaaaartraargcrttartagrttraaactractartaaartrtrcatatgraaa       240         0       181       argaaaartraargcrttartagrttraactractartaaartrtrcatatgraaa       240         0       181       argaaaartraargcrttartagrttraactractartaaartrtrcatatgraaa       240         0       241       traarcggraaaftratgrttraactractartaaartrtrcatatgraaa       240         0       241       traarcggraagtrgatagtrgatartrtraactractartaataaaaagtraccct       300         0       241       traarcggraagtrgatagtrgatartrtratgattrataataaaaagtraccct       300         0       241       traarcggraagtrgatagtrgattratgattrataataaaaaagtraccct       300         0       241       traarcggraaggtrgatagtraggtrgattraggtrgattraggtrgattraggtrgatagaaaaagtraggaaagagaaagtraggaaactraggagaagagaa	Db       301       Anttaricdettardantiliiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	RESULT 2 US-10-363-069-1 5 Sequence 1, Application US/10363069 Publication No. US20040103454A1 6 RENEAL INFORMATION: APPLICANT: Conkling, Mark A. APPLICANT: Conkling, Mark A. APPLICANT: Conkling, Mark A. APPLICANT: CONTENT THEREIN TITLE OF INVENTION: TRANSGENIC PLANTS CONTAINING MOLECULAR DECOYS THAT ALTER PR TITLE OF INVENTION: CONTENT THEREIN FILE REFERENCE: 5051-471XX CURRENT FILING DATE: 2003-02-28 PRIOR APPLICATION NUMBER: US/10/363,069 PRIOR PLICATION NUMBER: US/00/2698 PRIOR PLICATION NUMBER: US/00/2698 PRIOR PLICATION NUMBER: US 60/229,198	NUMBER OF SEQ ID NOS: 4 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	Cuery Match 100.0%; Score 456; DB 17; Length 456; Best Local Similarity 100.0%; Pred. No. 1.2e-69; Indels 0; Gaps 0; Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	QY     1     GGAACATATTCAATACATTGTAGTTGCTAATCGCTAGATACTTTGTGCCTT     60	QY       61       GCTAATAAAGATACTTGAAATAGCTTAGTTTAAATAATAGTTATAGATTTAGGA       120         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	QY     121     ATTAGTATTTGGGTTFAATTACTTATTGGCTTGGAGGGTTTTTATAATTCCAAGGCCC     180       DY	QY     181     ATGAAAATTTAATGCTTATTGCTTTAAACTTACTATAAATTTTTCATATGTAAAA     240	Qy241TTTAATGGGTATAGTTGATATTTTTCAATTTTTTAAAATAAAAAAACTTACCCT300Db241TTTAATCGGTATGTTGTTTTTTTCAATTTTTTTTTTTTT

Page 2

us-09-941-042c-1.rnpb

"Wed Aug 4 11:51:04 2004

Wed Aug 4 11:51:04 2004 us-09-941-042c	c-1.rnpb Page 3
APPLICANT: 'PIEPENBROCK, Christian TITLE OF INTENTION: Diagnosis of Diseases Associated with TITLE OF INVENTION: Diagnosis of Diseases Associated with TITLE REFERMES: 5013.1007 CURRENT APPLICATION NUMBER: US/10/240,485 CURRENT FILING DATE: 2002-10-02 PRIOR PAPLICATION NUMBER: US/10/03970	<pre>prior Filing DATE: 2000-09-01 number OF SEQ ID NOS: 2424 set ID NO 1541 TYPE: DNA TYPE: DNA CRANTSN: Artificial Sequence FEATURE: CORANISN: Artificial Sequence FEATURE: FEATUR</pre>
TTION N TTION N DATE: DATE: DATE: DATE: DATE: NC	Query Match       14.6%; Score 66.4; DB 15; Length 8305;         Best Local Similarity       49.2%; Pred. No. 0.056;         Matches       175; Conservative       0; Mismatches         Qy       8 TATTCATACATGATTGCTACTATATCGCTAGAATACTTGTGCCTTGGCTAGTAATA       67         Qy       8 TATTATATATAATAATAATAATAATAATGGCTAGAATAACTTGTGCCTTGGCTAGTAATA       67         Db       6424       TATTATTATAAATAATAATAATAATAATAATAATAATAA
e r treated genomic DNA (Homo se	6364 128 6304
Query Match14.6%Score 66.6; DB 15; Length 5145;Best Local Similarity 51.9%;Pred. No. 0.044;Indels 4; Gaps 1;Matches 176;Conservative 0; Mismatches 159;Indels 4; Gaps 1;Qy4AACATATTCAATACATTGTAGTTTGTCCTAATCGCTAGAATACTTTGTGCCTTGCT 63Db511AATAATTTAAGGTTTAAGTTTTAATTTTTTGGGTTATTTATTGGGGGTGTTTT 570	QY     188     ATTAATGETTAATAATCTTAACTAATAATTATCAATGAAAAATAAC     24       Db     6244     AATAATATATATATATATATATATATATATATATATAT
QY 64 AATAAAGATACTTGAAATAGCTTAGTTTAAATATAAATAGCATAATAGAATT 123 	Qy       308       GGTACAGTTATAGATTTATAAAAAATCTACGGTTCTTCAGAAGACACTAAAAAT       363         Db       [1 <t< td=""></t<>
Qy       124       AGFATTTEGGTTFAATTACTTATGACTTGTAAGGTTTTTATAATTCCAAGGCCCATG       183         Db	RESULT 6 US-10-311-455-1280 5 Sequence 1280, Application US/10311455 5 Publication No. US20030143606A1 5 GENERAL INFORMATION: 5 APPLICANT: OLEK, ALEXANDER 7 APPLICANT: OLEK, ALEXANDER 7 APPLICANT: OLEK, ALEXANDER 7 ADPLICANT: OLEKANDER 7 ADPLICANT 7 A
Qy     244     Dategrategratetetecatatetecatetecetaat     303       0y     747     TGTTALATEGATETEATEATETETETETETETETEAAATGCTTACCCTAAT     303       0b     747     TGTTALATETEATEATETETETETETETETETETEAATGCTTETEA     806       0y     304     TATCGGTACAGTTATAAATTTETETEGGTT     342	AFFLICANT: BERLIN, Kurt APPLICANT: BERLIN, Kurt TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determ TITLE OF INVENTION: Cytosine methylation FILE REFERENCE: 5013.1014 CURRENT APPLICATION NUMBER: US/10/311,455
807 SULT 5 -10-311-455- Sequence 154 Publication GENERAL INFO	CURRENT FILING DATE: 2002-12-14 PRIOR APPLICATION NUMBER: PCT/EP01/07537 PRIOR FILING DATE: 2001-07-02 PRIOR APPLICATION NUMBER: DE 10032529.7 PRIOR FILING DATE: 2000-06-30 PRIOR FILING DATE: 2000-06-30 PRIOR FILING DATE: 2000-09-01 NUMBER OF SEQ ID NOS: 2424 SEQ ID NO1280 FURCTH: 6175
APPLICANT: PIEPENBROCK, Christian APPLICANT: PIEPENBROCK, Christian APPLICANT: BERLIN, Kurt TTILE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Detern TTILE OF INVENTION: cyrosine methylation FILE REFERENCE: 5013.1014	TYPE: DNA ORGANISM: Artificial Sequence FEATURE: OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens) US-10-311-455-1280
CURRENT APPLICATION NUMBER: US/10/311,455 CURRENT FILING DATE: 2002-12-16 PRIOR APPLICATION NUMBER: PCT/BPD1/07537 PRIOR FILING DATE: 2001-07-02 PRIOR PAPLICATION NUMBER: DE 10033529.7 PRIOR PAPLICATION NUMBER: DE 1003356.1	Query Match13.4%Score 61; DB 15; Length 6175;Best Local Similarity48.7%; Pred: No. 0.43;9; Mismatches 175; Indels0; GapsMatches 166; Conservative0; Mismatches 175; Indels0; A TATTCAATACATTGTAGTTTGCTACTACTCATAATCGCTAGAATACCTTGTGCTAAT0;Qy7ATATTCAATACATTGTAGTTTGCTACTCATAATCGCTAGAATACCTTGTGCTAAT66

.

•

Page 3

, √ √ Wed Aug 4 11:51:04 2004

Wed Aug 4 11:51:04 2004

<pre>FILE REFERENCE: CURRENT FILING DATE: 2002-06-13 NUMBER OF SEQ ID NOS: 116 SEQ ID NO 17 SEQ ID NO 17 ELENGTH: 18997 TYPE: DNA ORGANISM: Artificial Sequence FRATURE: ORGANISM: Artificial Sequence FRATURE: OF FRATURE: ORGANISM: Artificial Sequence FRATURE: ORGANISM: Artificial SeqUENCE FR</pre>	Db13575TTATTATGATTATATATATATATTATTATTATTATTATTA	QY319 AGATTATAT 328Db13815 GATTGTTT 13824Db13815 GATTGTTT 13824Db13815 GATTGTTT 13824CS-10-311-455-543Sequence 543, Application US/10311455Sequence 543, Application US/10311455	methylation mecuaced with the fumule system by methylation (0.0111,455 16/011,455 15/0010010000000000000000000000000000	<pre>control of the second second of the second of the second sec</pre>
D       4615       ATATTTATTATTATTATTATTTATTTATTTATTTATTT	RESULT 7 US-10-211-179-11/C ; GENERAL INFORMATION: ; APPLICANT: Nicholas M. Dean ; APPLICANT: Nicholas M. Dobie ; TILE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOTYROSYL PHOSPHATASE ACTIVATOR EXPR ; TILE REFERENCE: PTS-0011 ; TILE REFERENCE: PTS-0011 ; CURRENT APPLICATION NUMBER: US/10/211,179 ; CURRENT FILING DATE: 2002-08-01 ; NUMBER OF SEQ ID NOS: 119 ; OTHER INFORMATION: n = a, t, c, or g US-10-211-179-11	Ouery Match       13.4%; Score 61; DB 17; Length 158001;         Best Local Similarity 51.1%; Pred. No. 1.2;       Best Local Similarity 51.1%; Pred. No. 1.2;         Matches 170; Conservative 0; Mismatches 160; Indels 3; Gaps 1;       0;         Ov       3 AAAGNATTCAATAGNTTGGTAGTTTGGTAGTATGGCTAGAATAGTTTGGGCTTGG 62         Ov       3 AAAGNATTCAATAGNTTGGTAGTTTGGTAGTATGGCTAGAATAGTTTTGGGCTTGG 62         Db       22622 ATATATATATATATATATATATATATATATATATATA	Db 22502 TÅTTATATATATATATATATATATATATATATATATATA	RESULT 8 UG-10-172-086-17 ; Sequence 17, Application US/10172086 ; Publication No. US20030113750A1 ; RENERAL INFORMATION: ; APPLICANT: Epigenomics AG ; TITLE OF INVENTION: Method and nucleic acids for the differentiation ; TITLE OF INVENTION: of prostate tumors

4

-941-042c-1.rnpb Page 5	Db 13755 ATATTATGTATATTATTATTATATGTAATAAATATTTTATTTTTT	RESULT 11 US-10-311-455-1549 Sequence 1549, Application US/10311455 ; Publication No. US220030143606A1 ; Publication No. US220030143606A1 ; GENERAL INFORMATION: ; APPLICANT: OIEK, Alexander ; APPLICANT: PIEPENBROCK, Christian ; APPLICANT: BERLIN, Kurt ; APPLICANT: BERLIN, Kurt ; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determ ; FILE REFERENCE: 5013.1014	CURRENT APPLICATION NUMBER: US/10/311,455 CURRENT PILING DATE: 2002-12-16 PRIOR APPLICATION NUMBER: PCT/EP01/07537 PRIOR FILING DATE: 2001-07-02 PRIOR FILING DATE: 2000-06-30 PRIOR FILING DATE: 2000-06-30 PRIOR FILING DATE: 2000-06-30 PRIOR FILING DATE: 2000-06-01	<pre>&gt; NUMBER UF SEQ ID NUCS: 24.24 &gt; SEQ NET NO 1549 &gt; TYPE: DNA &gt; ORGANISM: Artificial Sequence &gt; CRANISM: Artificial Sequence &gt; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens) US-10-311-455-1549</pre>	Query Match13.2%; Score 60.2; DB 15; Length 5925;Best Local Similarity50.9%; Pred. No. 0.59;Matches143; Conservative0; MismatchesQy65 ATAAAGATACTTGAAATAGCTTAGTTTAAATAAATAAGCATAATAGATTATAGGAATTA124Dy2199ATAAGGATTTTTAGATAATATTTTAATTAATTAATTAAT	Qy       125       Grantingagina and control and contrecont and control and control and contrecontrol	245 ATCGGTATAGTTCGATATTTTTTCAATTTATAAAATAA 	Qy       305       atcgctracgcttrataaaatcracgctctt       345         D       1       1       1       1       1       1         Db       2439       GTATTTTTTGTTGTGGTAAAATTAATAATTAATGGGTTTT       2479	-1542 42, Api No. US DRMATIC	APPLICANT: PIBBENBROCK, Christian APPLICANT: PIBBENBROCK, Christian APPLICANT: BERLIN, Kurt TITLE OF INVENTION: Usignosis of Diseases Associated with the Immune System by Deter- TITLE OF INVENTION: cytosine methylation FILE REFERENCE: 5013.1014 CURRENT APPLICATION NUMBER: US/10/311,455
📈 Wed Aug 4 11:51:04 2004 us-09-9	0y       19       TTGTAGTTTGCTACTAATCGTAGAATACTTTGTGCCTTGGATAAAAGATACTTGA       78         1	Qy       139       ATTACTTATTGACTGGAGGTTTTATATTCCAGGGCCCATGAAAATTTATGCTT       198         Db       13635       TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	319 319 13815 SULT 10 -10-311-507-	<pre>% Sequence 31, Application US/10311507 % Publication No. US20040115630A1 % GENERAL INPORMATION: % APPLICANT: OLEK, Alexander % APPLICANT: PIEPENBROCK, Christian % APPLICANT: BERLIN, Kurt % TITLE OF INVENTION: Method and nucleic acids for the analysis of astrocytomas % FILE REFERENCE: 5013.1013</pre>	TION NU DATE: DATE: DN NUME TE: 200 DN NUME TE: 200 DN NUME TE: 200 TE: 200	NUMBER OF SEQ ID NOS: 136 SEQ ID NO 31 TERCTH: 18997 TYPE: DNA ORGANISM: Artificial Sequence PEATURE: COTHER INFORMATION: chemically treated genomic DNA (Homo sapiens) US-10-311-507-31		QY     19     TTGTAGTTGCTACTCATAATCGCTAGAATACTTTGTGCCTTGCTAATAAGATACTTGA     78       01     11     1     1     1     1       13515     TTGAGGTTTTTTTTTTTGGGAATTTTGGTTTTATGTTTTTT	79 AATAGCTTAGTTTAAATATAAATAGCATAATAGATTTTAGGAATTAGTATTTTGGGTTTA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DB 13635 FITTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

•

. •

Page 5

----

۵,

Query Match       13.1%; Score 59.6; DB 15; Length 5407;         Best Local Similarity       50.7%; Pred. No. 0.73;         Matches       143; Conservative       0; Mismatches         Matches       143; Conservative       0; Mismatches         Qy       64 AATAAAGATACTTGAAATAGCTTAGTTAAATAAATAGATATAGAATTAGGAAAT         Db       4377 ATTATTTAGAATTGAATTGATTAATTAATATTTAAGAATTGATTATGGGAAAT	QY       124       AGTATTTTGGGTTATTATTTGCTTGTAGGTTTTTATATTATTATTGGGCCCATG         Db       4437       TAAATTGTGGAAAATAAATTATGATTAGGGGGGGTTTATTGTATTAT	244 4557	a     67     Qy     304     Tarcgetacgetacgetarggeteta	127 2001 US	187 ; PUDIICATION N GENERAL INFOR 2061 ; APPLICANT: E	2 247 APPLICANT: BOUGUELERCY, LYDIE 2 247 APPLICANT: Chumakov, Ilya 3 PPLICANT: Cohen, Annick 4 2121 APPLICANT: COHEN, ANALELIC MARKERS DERIVED FROM GENOMIC REGIONS	307     1111LB OF INVENTION     5 PILE REFERENCE: GEN-T114XC2D1       307     7 FILE REFERENCE: GEN-T114XC2D1       7 CURRENT APPLICATION NUMBER: US/10/170,097       2181     7 CURRENT FILING DATE: 2002-06-10			; PRIOR FILING DATE: 1999-03-23 ; PRIOR APPLICATION NUMBER: US 60/119,917 ; PRIOR FILING DATE: 1999-02-12	; NUMBER OF SEQ ID NOS: 1304 ; SOFTWARE: Patent.pm ; SEQ ID NO 651	System by Determ ; TYPE: DNA ; TYPE: DNA ; ORGANISM: Homo sapiens	<pre>FEATURE: NAME/KEY: misc feature LOCATION: 11233123 CONTED INDUMATION: 1.2.</pre>	FEATURE: NAME/KEY: EXON	CCATION: 31243297 COTHER INFORMATION: exon 1	; OTHER INFORMATION: exon 2 ; FEATURE:	; NAME/KEY: exon ; LOCATION: 5552.5633
CURRENT FILING DATE: 2002-12-16 FRICK APPLICATION NUMBER: PCT/EP01/07537 FRICK APPLICATION NUMBER: PCT/EP01/07537 FRICK APPLICATION NUMBER: DE 10032529.7 FRICK FILING DATE: 2000-06-30 FRICK APPLICATION NUMBER: DE 10043826.1 FRICK APPLICATION NUMBER: DE 10043826.1 FRICK APPLICATION NUMBER: DE 10043826.1	; SEQ ID NO 1542 ; TENGTH: 8305 ; TYPE: DNA ; ORGANISM: Artificial Sequence ; PARTURE: ; POTHER INFORMATION: chemically treated genomic DNA (Homo sapiens) US-10-311-455-1542	Cuery Match 13.2%; Score 60; DB 15; Length 8305; Best Local Similarity 48.0%; Pred. No. 0.71; Matches 171; Conservative 0; Mismatches 185; Indels 0; Gaps		Oy 68 AAGATACTTGAAATAGCTTAGTTTAAATAGAATAGATTTTAGGAATAGTA 	Qy     128     TTTTGAGTTAATTACTTATTGACTTGTAACGGTTTTTATAATTCCAAGGCCCATGAAA   Db     2002     TAATATATATATATATATATATATATATATATATATAT	Qy     188     attratigettranagettranagettranagettranagettrange       0     188     188       1     1     188       1     1     188       1     1     188       1     1     188       1     188     188       1	QY 248 GGTATAGTTGGTATTTTTTTATTTTTATAAATAAAAAAAGTTACCCTAATTATC 	QY 308 GGTACAGTTATATATATATATAAAATCTACGGTTCTTCAGAAGAAACCTAAAAAT 363 Dh 2182 maratemereanaaraataataataataataataataataataataataata	SULT 13	US-10-311-455-2064 ; Sequence 2064, Application US/10311455 ; Publication No. US20030143606A1	; GENERAL INFORMATION: ; APPLICANT: OLER, Alexander ; APPLICANT: PLEPENBROCK, Christian	TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune Sys TITLE OF INVENTION: cytosine methylation	; FILE KEFEKENCE: 5013.1014 ; CURRENT APPLICATION NUMBER: US/10/311,455 ; CURRENT FILING DATE: 2002-12-16 ; DDTOP ADDITCANTON NIMPON./07537	PRIOR FLING DATE: 2001-07-02 PRIOR PLING PATE: 2001-07-02 PRIOR APPLICATION NUMBER: DE 10032529.7	; PRIOR FILING DATE: 2000-06-30 ; PRIOR PRELICATION NUMBER: DE 10043826.1 ; DRIOR BTITNC NAME, 2000.002,00		<pre>constantsM: Artificial Sequence provide Sequence pro</pre>

4

• '

ή

Ċ

υ

VAME/KEY: allele LOCATION: 6429 DTHER INFORMATION: 10-347-165 : polymorphic base C or T VAME/KEY: allele LOCATION: 2844 DTHER INFORMATION: 10-513-262 : polymorphic base C or T : polymorphic base C or T : polymorphic base A or G : polymorphic base A or G Ċ ΰ TATURE: TATURE: NAME/KEY: allele COCATION: 4170 DTHER INFORMATION: 10-343-339 : polymorphic base G or T FEATURE: NAME/KEY: allele COCATION: 5001 DTHER INFORMATION: 10-346-23 : polymorphic base A or G FEATURE: NAME/KEY: allele LOCATION: 6019 DTHER INFORMATION: 10-346-141 : polymorphic base A or LOCATION: 6141 LOCATION: 6141 OTHER INFORMATION: 10-346-263 : polymorphic base G or NAME/KEY: allele LOCATION: 6183 LOCATION: 6183 COTHER INFORMATION: 10-346-305 : polymorphic base C or NAME/KEY: allele FEATURE: NAME/KEY: allele LOCATION: 6375 OTHER INFORMATION: 10-347-111 : polymorphic base G or : polymorphic base G or C FEATURE: NAWE/KEY: allele NCORTION: 2341 OTHER INFORMATION: 10-512-36 : polymorphic base G or C FEATURE: NAME/KEY: allele PERTURE: NAME/KEY: allele NAME/KEY: allele LOCATION: 3802 OTHER INFORMATION: 12-206-81 : polymorphic base A or ( FEATURE: NAME/KEY: allele LOCATION: 4062 OTHER INFORMATION: 10-343-231 : deletion of C : polymorphic base C or : polymorphic base A or OCATION: 6338 DTHER INFORMATION: 10-347-74 : polymorphic base A or DTHER INFORMATION: 10-511-337 : insertion of T FEATURE: NAME/KEY: allele LOCATION: 4088 OTHER INFORMATION: 12-206-366 : FEATURE: NAME/KEY: allele LOCATION: 4109 OTHER INFORMATION: 10-343-278 : OTHER INFORMATION: 10-343-278 : FEATURE: NAME/KEY: allele LOCATION: 2947 OTHER INFORMATION: 10-513-365 NAME/KEY: allele LoCATION: 2832 DTHER INFORMATION: 10-513-250 OCATION: 2934 OTHER INFORMATION: 10-513-352 'EATURE: IAME/KEY: allele FEATURE: NAME/KEY: allele EATURE: LOCATION: 1827 OTHER INFORMATION: 10-510-173 : variable motif ATTTA or TTTTT FEATURE: AME/KEY: allele OCATION: 1182 DTHER INFORMATION: 10-508-245 : polymorphic base C or T LOCATION: 1128 OTHER INFORMATION: 10-508-191 : polymorphic base C or T LOCATION: 1559 DTHER INFORMATION: 10-509-284 : polymorphic base C or T NAME/KEY: allele LOCATION: 2048 OTHER INFORMATION: 10-511-62 : polymorphic base C or T FEATURE: allele LOCATION: 2323 : deletion of C NAME/KEY: misc feature LOCATION: 17555..20674 DTHER INFORMATION: 3'regulatory region LOCATION: 1570 OTHER INFORMATION: 10-509-295 FEATURE: NAME/KEY: exon LOCATION: 12854..13023 OTHER INFORMATION: exon 10 WAME/KEY: exon LOCATION: 16567..16667 DTHER INFORMATION: exon 12 NAME/KEY: exon LCCATION: 13308..13429 77HER INFORMATION: exon 11 FEATURE: FEATURE: NAME/KEY: exon LOCATION: 16775..16945 OTHER INFORMATION: exon 13 NAME/KEY: exon LOCATION: 17063..17554 DTHER INFORMATION: exon 14 FEATURE: NAME/KEY: exon LOCATION: 8645..8854 OTHER INFORMATION: exon 8 FEATURE: NAME/KEY: exon LOCATION: 7379..7522 OTHER INFORMATION: exon 7 NAME/KEY: exon LOCATION: 12254..12340 DTHER INFORMATION: exon 9 NAME/KEY: exon LOCATION: 5996..6099 OTHER INFORMATION: exon 5 FEATURE: NAME/KEY: exon LOCATION: 6349..6509 OTHER INFORMATION: exon 6 LOCATION: 5758..5880 OTHER INFORMATION: exon FEATURE: NAME/KEY: allele VAME/KEY: allele FEATURE: NAME/KEY: allele WAME/KEY: allele FEATURE : URE : EATURE : FEATURE : FEATURE : FEATURE

U

H

H

υ

н

υ

1 . . . . . .

-

<pre>FRATURE: F</pre>	120 AATTAGTATTTTGAGTTTAATTACTTATTGACTTGTAACAGTTTTATAATTCCAAGGCC 179 127315 TATAAATATATAAAATATATATATATATATATATATAT
--	--

qq	127435 AT	127435 ATATATATATATATATATATATATAATATATATATATA	127494
δ	300 TA	300 TAATTATCGGTACAGTTATAGATTTATATAAAAATCTACGGTTCTTCAGAAAGAA	359
qa	127495 TA	127495 TATATAAAAATATAATAATATATAAAAAAATATATAATA	127554
٥ م	360 AAA 362	A 362	
рþ	127555 AAA 127557	A 127557	

Search completed: August 3, 2004, 20:51:30 Job time : 347 secs